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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,128	07/10/2001	Ryan Shillington	M-11705 US	7988

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EXAMINER	
WILSON, YOLANDA L	
ART UNIT	**PAPER NUMBER**
2113	

DATE MAILED: 01/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/902,128	SHILLINGTON ET AL.	
	Examiner	Art Unit	
	Yolanda Wilson	2113	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *01 October 2004*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-44* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-44* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-44 are rejected under 35 U.S.C. 102(e) as being anticipated by Krebs et al. (USPN 6668369B1). As appears in claims 1,7, and 8, Krebs et al. discloses invoking the application program from the workstation via a network interface; displaying a user frame at the workstation that includes information generated by the application program; providing a debug view option at the workstation for generating a debug frame of the application program; displaying the debug frame at the workstation when the debug view option is selected wherein the debug frame includes information about one or more components of the application program in column 4, line 30 – column 5, line 7.

3. As per claims 2 and 18, Krebs et al. discloses providing a user view option at the workstation for generating the user frame and displaying the user frame when the user view option is selected in column 3, line 52 – column 4, line 5.

4. As per claim 3, Krebs et al. discloses displaying the debug frame at the workstation includes providing a list of variable names in the application program in column 4, line 50 – column 5, line 7.

5. As per claim 4, Krebs et al. discloses displaying the debug frame at the workstation includes providing at least one of: a list of request information variable names in the application program or a list of session information variable names in the application program in column 4, line 41 – column 5, line 7.

6. As per claim 5, Krebs et al. discloses wherein one or more of the variable names represents a corresponding object, the method further comprising: selecting one of the variable names; and providing information about the object corresponding to the variable name on the debug frame in column 4, line 50 – column 5, line 7.

7. As per claim 6, Krebs et al. discloses wherein the information about the object includes at least one of: the fields of the object, the methods associated with the object or the constructors associated with the object in column 4, line 50 – column 5, line 7.

8. As per claims 9, 15,16,21, Krebs et al. discloses executing the application program on the server when the application program is invoked from the workstation; generating information for a user frame at the workstation that includes information generated by the application program; and generating information for a debug frame at the workstation when a debug view option is selected from the workstation wherein the debug frame includes information about components of the application program in column 4, line 30 – column 5, line 7.

9. As per claims 10 and 22, Krebs et al. discloses wherein generating information for the debug frame includes saving the information for the user frame when the debug view option is selected in column 4, lines 30-39.

10. As per claims 11 and 23, Krebs et al. discloses restoring the saved information for the user frame when a user view option is selected at the workstation column 3, line 62 – column 4, line 5.

11. As per claim 12, Krebs et al. discloses generating information for the debug frame includes generating a list of components of the application program in column 4, line 50 – column 5, line 7.

12. As per claim 13, Krebs et al. discloses wherein generating information for the debug frame includes generating at least one of: a list of variables in the application program, a list of methods associated with one or more of the variables in the application program, or a list of constructors with one or more of the variables in the application program in column 4, line 50 – column 5, line 7.

13. As per claim 14, Krebs et al. discloses wherein generating information for the debug frame includes using reflection technology to generate at least one of: a list of variables in the application program, a list of methods associated with one or more of the variables, and a list of constructors associated with one or more of the variables in column 4, line 50 – column 5, line 7.

14. As per claim 17, Krebs et al. discloses means for invoking the application program from the workstation; means for presenting a user frame at the workstation that includes information generated by the application program; means for presenting a debug view option at the workstation to generate a debug frame of the application program; and means for presenting the debug frame at the workstation when the debug view option is selected in column 4, line 30 – column 5, line 7.

15. As per claim 19, Krebs et al. discloses the debug frame at the workstation includes presenting a list of components of the application program in column 4, line 50 – column 5, line 7.

16. As per claim 20, Krebs et al. discloses means for presenting information about the selected object, wherein the information about the object includes at least one of: the name of the object, the fields of the object, the methods associated with the object, or the constructors associated with the object in column 4, line 50 – column 5, line 7.

17. As per claim 24, Krebs et al. discloses the means for generating information for the debug frame includes means for generating a list of objects in the application program in column 4, line 50 – column 5, line 7.

18. As per claim 25, Krebs et al. discloses wherein means for generating information for the debug frame includes at least one of: a list of methods associated with one or more of the objects in the application program, or a list of constructors with one or more of the objects in the application program in column 4, line 50 – column 5, line 7.

19. As per claim 26, Krebs et al. discloses wherein the means for generating information for the debug frame includes using reflection technology to generate at least one of: a list of objects in the application program, a list of methods associated with one or more of the objects, and a list of constructors associated with one or more of the objects in column 4, line 50 – column 5, line 7.

20. As per claim 27, Krebs et al. discloses means for providing the list of objects to the workstation when the debug view option is selected at the workstation in column 4, line 50 – column 5, line 7.

21. As per claim 28, Krebs et al. discloses means for providing at lest one of: a list of names of the objects, a list of fields of at least one of the objects, a list of values of at least one of the objects, the list of methods associated with at least one of the objects in column 4, line 50 – column 5, line 7.

22. As per claim 29, Krebs et al. discloses a interface operable to: allow a user to invoke the application program from the workstation; present a user frame at the workstation that includes information generated by the application program; present a debug view option to generate a debug frame of the application program; and present the debug frame at the workstation when the debug view option is selected in column 4, line 30 – column 5, line 7.

23. As per claim 30, Krebs et al. discloses present a user view option at the workstation and present the user frame when the user view option is selected in column 3, line 52 – column 4, line 5.

24. As per claim 31, Krebs et al. discloses the debug frame at the workstation includes a list of one or more components of the application program in column 4, line 50 – column 5, line 7.

25. As per claim 32, Krebs et al. discloses the application program generates instructions and information for displaying a web page at the user interface in column 3, lines 52-58.

26. As per claim 33, Krebs et al. discloses wherein the user interface is a web browser operable to communicate with the server in column 4, lines 30-32.

27. As per claim 34, Krebs et al. discloses wherein the user interface is operable to present additional information about at least one of the components when the component is selected by the user in column 4, line 50 – column 5, line 7.

28. As per claim 35, Krebs et al. discloses wherein the additional information includes at least one of: the name of the component, the fields of the component, the methods associated with the component, or the constructors associated with the component in column 4, line 50 – column 5, line 7.

29. As per claim 36, Krebs et al. discloses means for executing the application program on the server when the application program is invoked from the workstation; means for generating information for a user frame at the workstation that includes information generated by the application program; and a debugger program operable to generate information for a debug frame at the workstation when a debug view option is selected from the workstation wherein the debug frame includes information about components of the application program in column 4, line 30 – column 5, line 7.

30. As per claim 37, Krebs et al. discloses wherein the debugger program is operable to save the information for the user frame when the debug view option is selected column 4, lines 30-39.

31. As per claim 38, Krebs et al. discloses wherein the debugger program is operable to restore the saved information for the user frame when a user view option is selected at the workstation column 3, lines 62 – column 4, line 5.

32. As per claim 39, Krebs et al. discloses wherein the debugger program is operable to generate a list of objects of the application program in column 4, line 50 – column 5, line 7.

33. As per claim 40, Krebs et al. discloses wherein the debugger program is operable to generate at least one of: a list of methods associated with one or more of the variables in the application program, or a list of constructors with one or more of the variables in the application program in column 4, line 50 – column 5, line 7.

34. As per claim 41, Krebs et al. discloses wherein the debugger program is operable to use reflection technology to generate at least one of: a list of objects in the application program, a list of methods associated with one or more of the objects, and a list of constructors associated with one or more of the objects in column 4, line 50 – column 5, line 7.

35. As per claim 42, Krebs et al. discloses the application program generates instructions and information for displaying a web page in column 3, lines 52-58.

36. As per claim 43, Krebs et al. discloses the server is operable to communicate with a web browser program at the workstation in column 4, lines 30-32.

37. As per claim 44, Krebs et al. discloses the application program accesses at least one of internal code, private code, or public code column 3, lines 38-42.

Response to Arguments

38. Applicant's arguments filed 10/01/2004 have been fully considered but they are not persuasive. Applicant's arguments state 'Krebs consistently addresses only debugging of code, i.e. DHTML script, executed by a client-side application, i.e. the web

browser. Krebs devotes the remainder of the discussion in col. 4 through col. 5, ln. 7 to the details of debugging this client-side generated code. Accordingly, in contrast to the present invention, the Examiner's specific recited section of Krebs neither teaches nor suggests 'debugging an application program from a workstation, wherein the application program resides on a server that is remote from the workstation' as required by the independent claims of the Present Application'. Applicant's arguments also state 'Krebs only teaches how to debug code located at the client (workstation) not an 'application program' that 'resides on a server remote from the workstation' as recited in all the independent claims of the present application.' Examiner respectfully disagrees.

39. The citing of the argument 'debugging an application program from a workstation, wherein the application program resides on a server that is remote from the workstation' is noted to be the preamble of the independent claims. This preamble is tied into the independent claims and has been taken into consideration with respect to the rejection of the independent claims. Krebs does in fact have what is disclosed in the preamble. The application program is the DHTML source file, that is retrieved from the server, of the webpage seen in the web browser cited in column 4, lines 30-37. The DHTML source file is called when a particular webpage is requested by the user from the web browser. Applicant's claimed invention is interpreted as performing 'client-side' debugging of an application program that 'resides on a server that is remote from the workstation'. Krebs discloses in column 1, lines 33-54 that DHTML can be described as an application.

Conclusion

40. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yolanda Wilson whose telephone number is (571) 272-3653. The examiner can normally be reached on M-F (7:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Yolanda Wilson
Examiner
Art Unit 2113

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